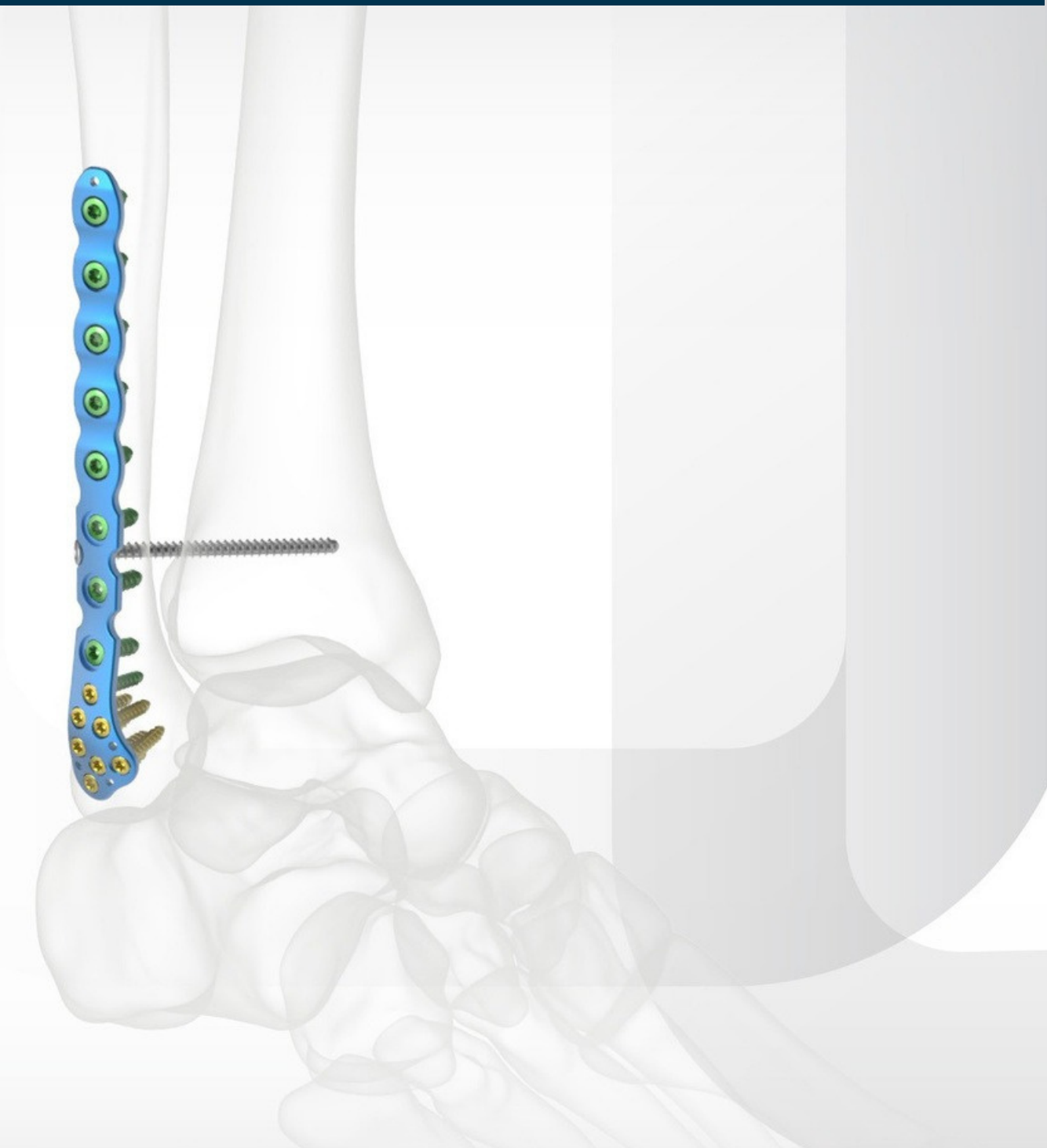


ANKLE SYSTEM

2.8 / 3.5 Anterolateral Fibula Plate



Contents

3 4	Indication
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	Surgical Technique
	Ordering Information
16	- Anterolateral Fibula Plates
18	- Screws
19	- Instruments
23	Set Configuration

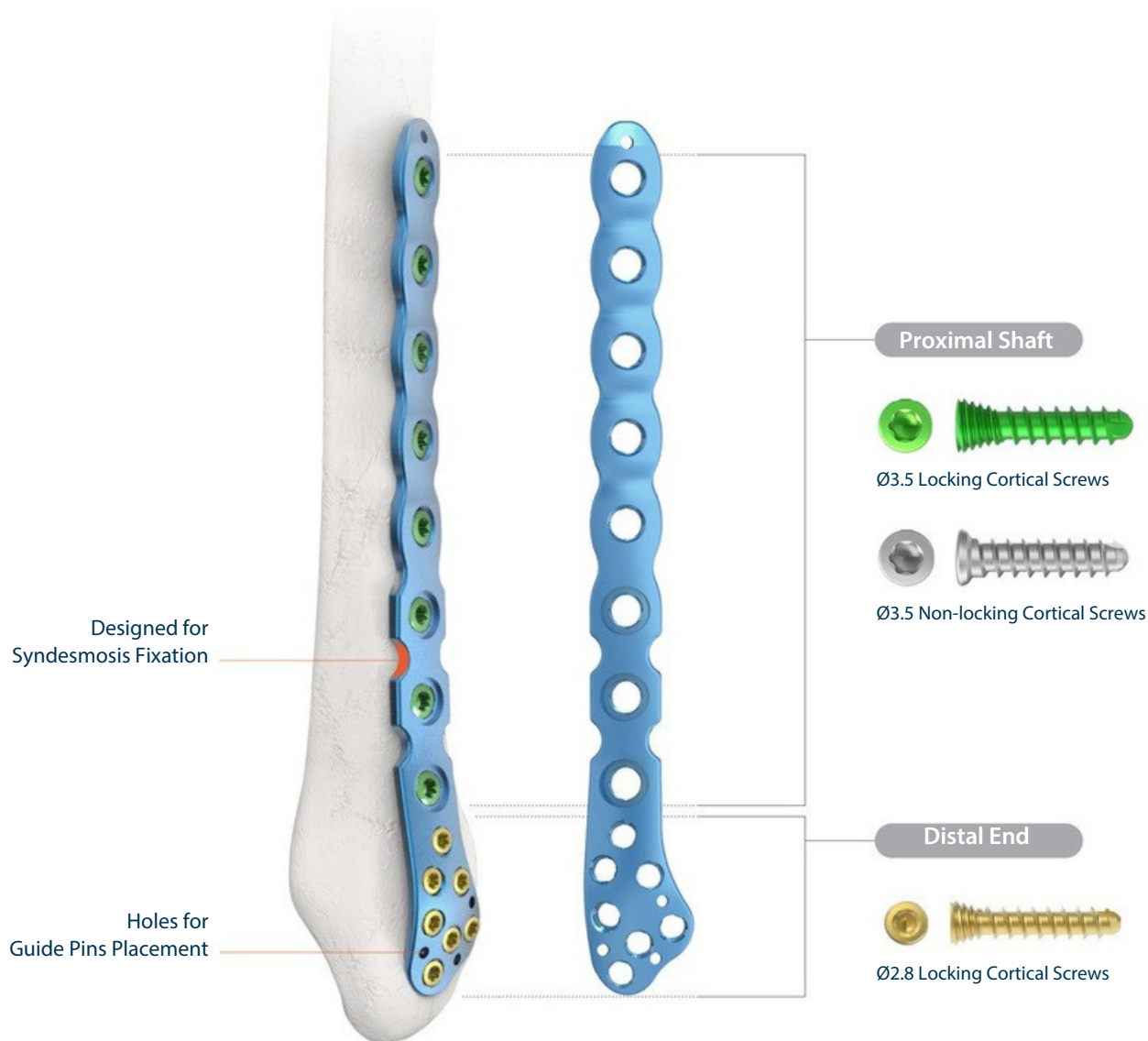


The SUMMA Ankle System(Fibula) is intended for use in internal fixation of the distal fibula.

Anterolateral Fibula Plate

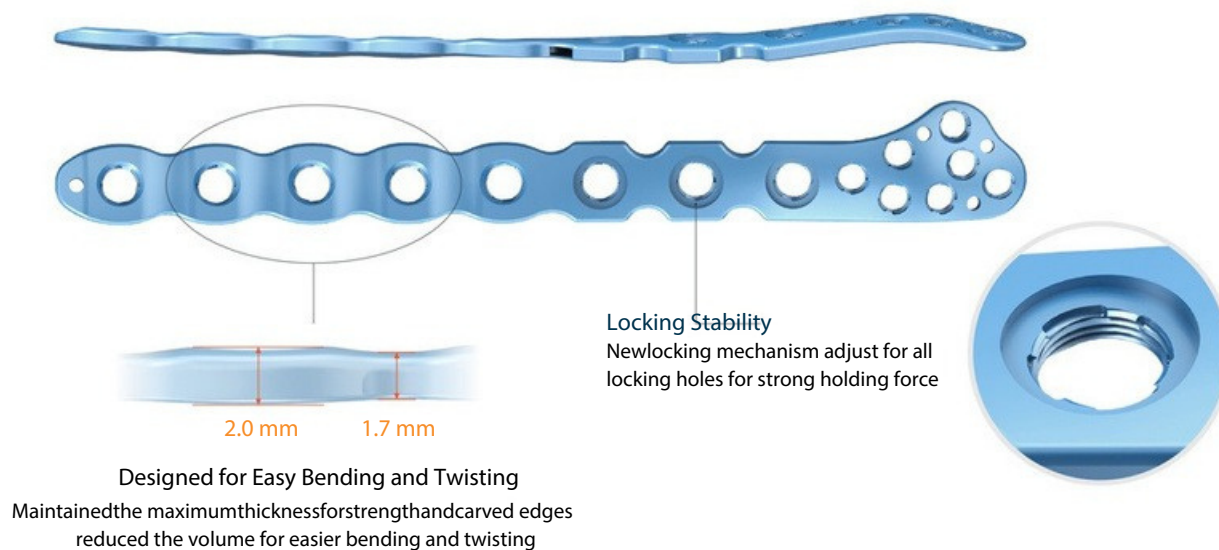
General Features

- 2.0mm thickness
- Proximal shaft: Ø3.5 mm screw, Distal end: Ø2.8 mm screw
- Variable locking up to $\pm 15^\circ$
- Compatible with syndesmosis fixation
- Anatomically pre-contoured
- Plate designed for easy bending and twisting
- Low profile and round edge design for less irritation



Anatomically Pre-contoured Design

Developed on the basis of anatomical data, the plates fit profile of the fibula.

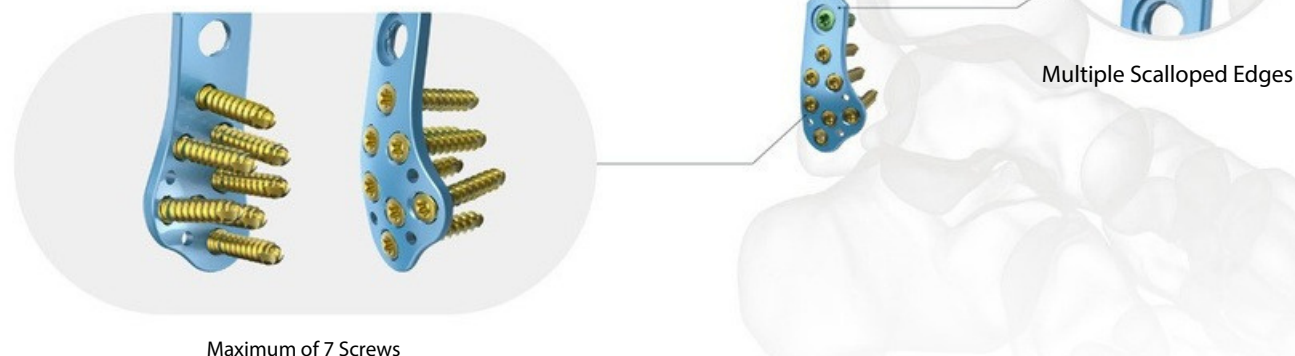


Syndesmosis Fixation

Scalloped edges of the plate are designed for syndesmotic screw placement and no compromising of the plate position. Multiple scalloped edges allow syndesmosis fixation.

Multiple Distal Screw Holes for Stable Fixation

More screw holes for stable reduction of articular fragments.



Anterolateral Fibula Plate

Self-retaining function of STARIX Screw

- Optimal self-retaining function achieved through precision machining
- Minimizes the risk of cam-out and recess breakage
- Allows higher torque transmission



Variable Locking Interface with Locking Screw

- Poly-axial screw insertion
- Variable locking $\pm 15^\circ$



Screw Options



Ø2.8 mm Locking



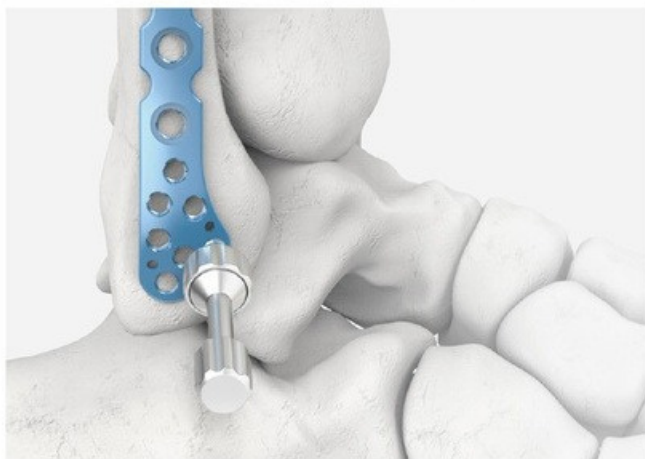
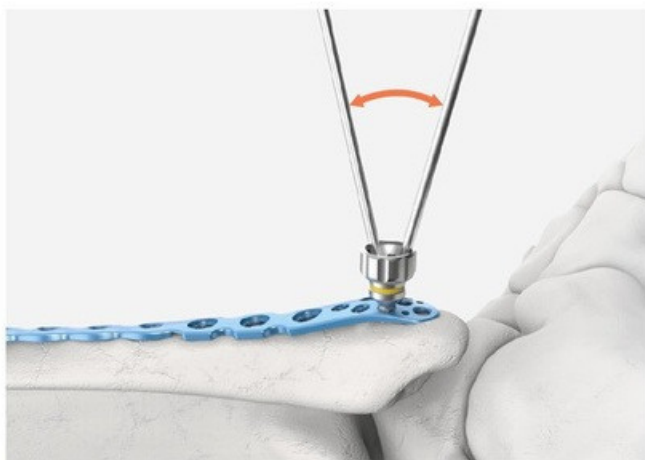
Ø3.5 mm Locking



Ø3.5 mm Non-Locking

Instrument

Variable Angle Drill Sleeve



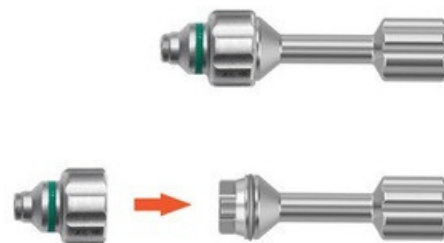
1

The variable angle drill sleeve enables the surgeons to insert locking screws with preferred angle in range of $\pm 15^\circ$.

2

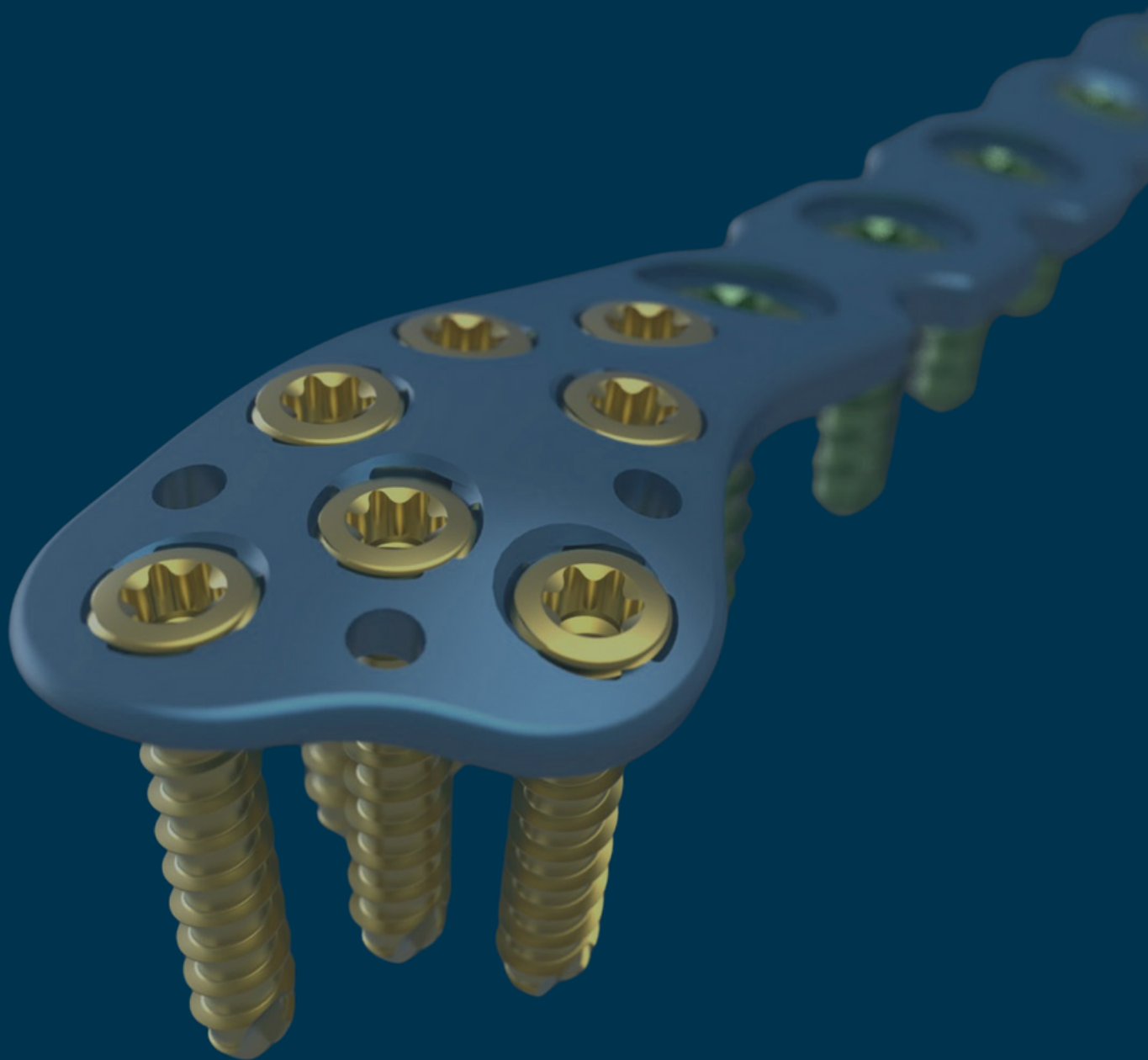
The drill sleeve handle facilitates engaging the drill sleeve into the screw holes. Assemble the sleeve handle to the drill sleeve. Once the drill guide is engaged to the screw hole by turning it clockwise, disconnect the drill sleeve handle by simply pulling it out.

C-Arm View



Variable Angle Drill Sleeve
SO-111-316

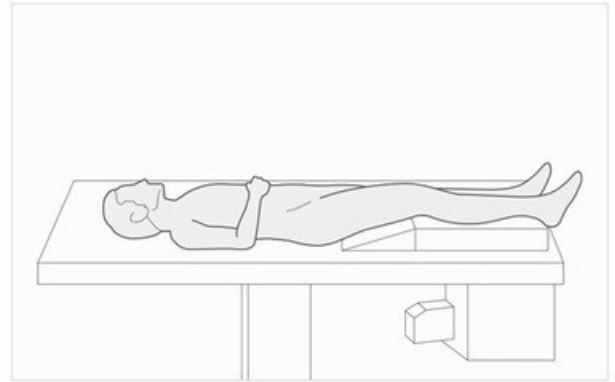
Variable Angle Drill Sleeve Handle
SO-111-157



I Surgical Technique

1. Approaches

Place the patient in a supine position on a radiolucent table.
Tilt the surgical site ankle slightly in the medial direction.



2. Exposure

Make an incision in line with the fibula, centered over the fracture.



Required Set



SUMMA Ankle System
Anterolateral Fibula Plate Kit
SO -112-175

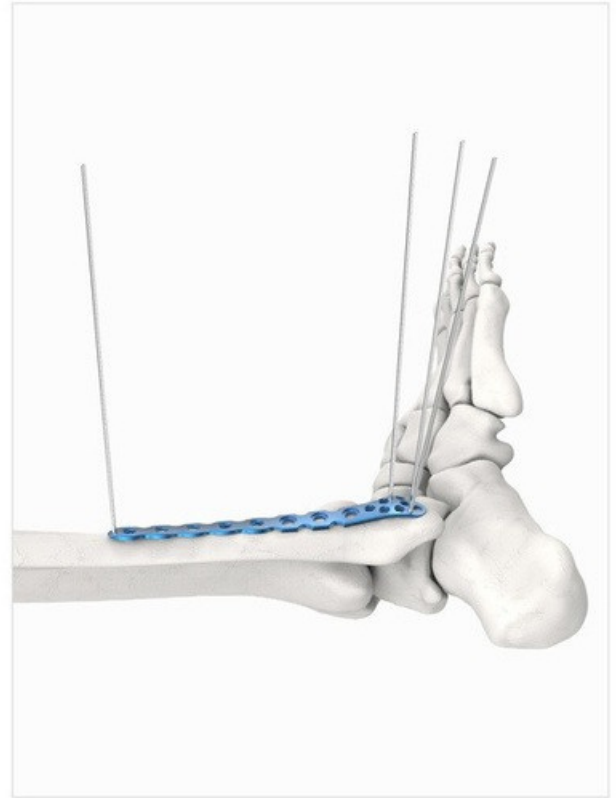
3. Fracture Reduction

Reduce the main fragments and hold with a pointed reduction.
Use guide pin for temporally fixation of the plate.

4. Plate Positioning

Position the fibula plate and the curvature of the plate nestles smoothly over the anterolateral surface of the fibula. Place a guide pin through the most proximal pin hole and another guide pin through the distal pin hole.

Position of the plate carefully evaluated with c-arm images.



Required Instruments



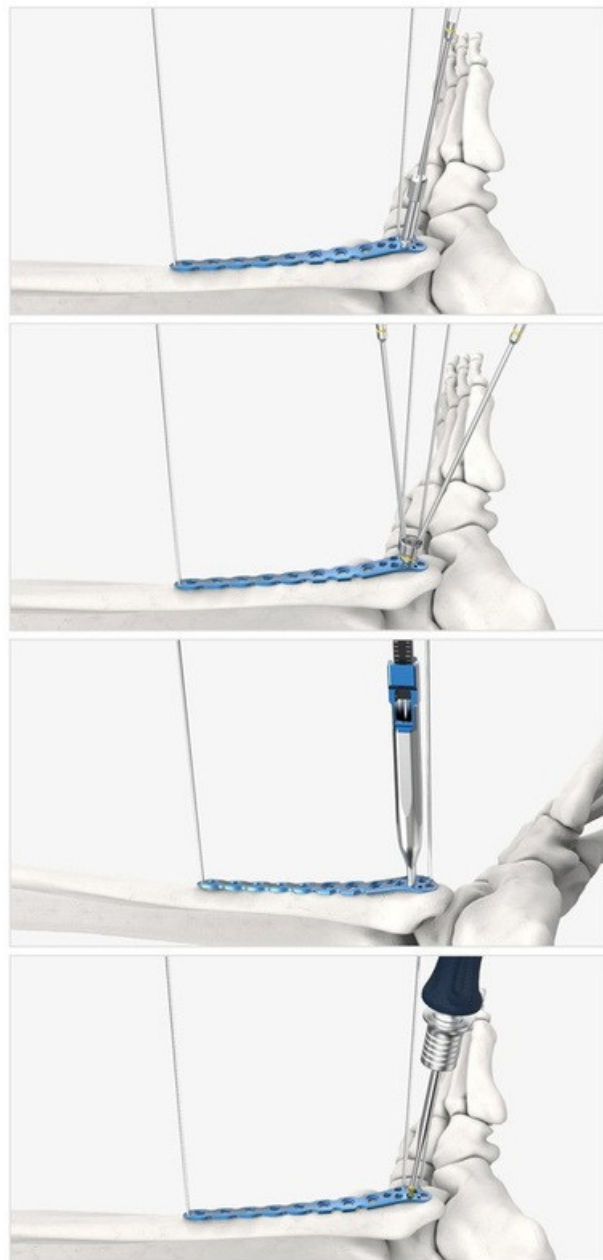
Guide Pin
SO -111-068-3

5. Drilling and Screw Insertion

Use 2.7mm drill bit for 3.5mm screws for drilling. After drilling, measure the screw length by using the depth gauge.

**Instruments for Ø2.8mm screw are provided separately. With fixed angle drill sleeve the locking screw can be inserted only in predefined or nominal angle.*

With variable angle drill sleeve the screw can be inserted at desired angle within 30 degrees range.



Required Instruments



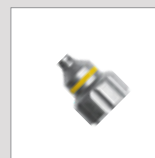
Drill Bit
SO -112-28-703



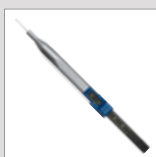
Drill Guide
SO -111-285



Drill Sleeve
SO -111-128



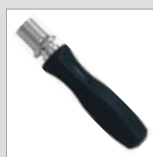
Drill Sleeve
SO -111-286



Depth Gauge
SO -111-267



Driver
SO -113-HF-623



Driver Handle
SO -111-206



Drill Sleeve Handle
SO -111-157

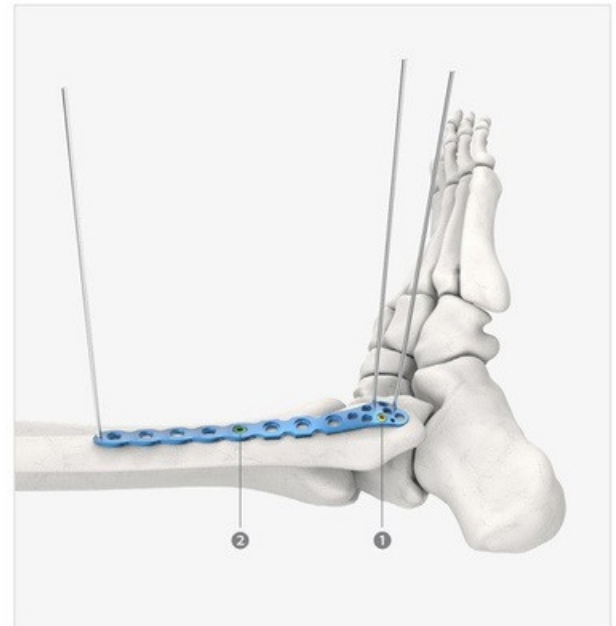
6. Order of Screw Placement

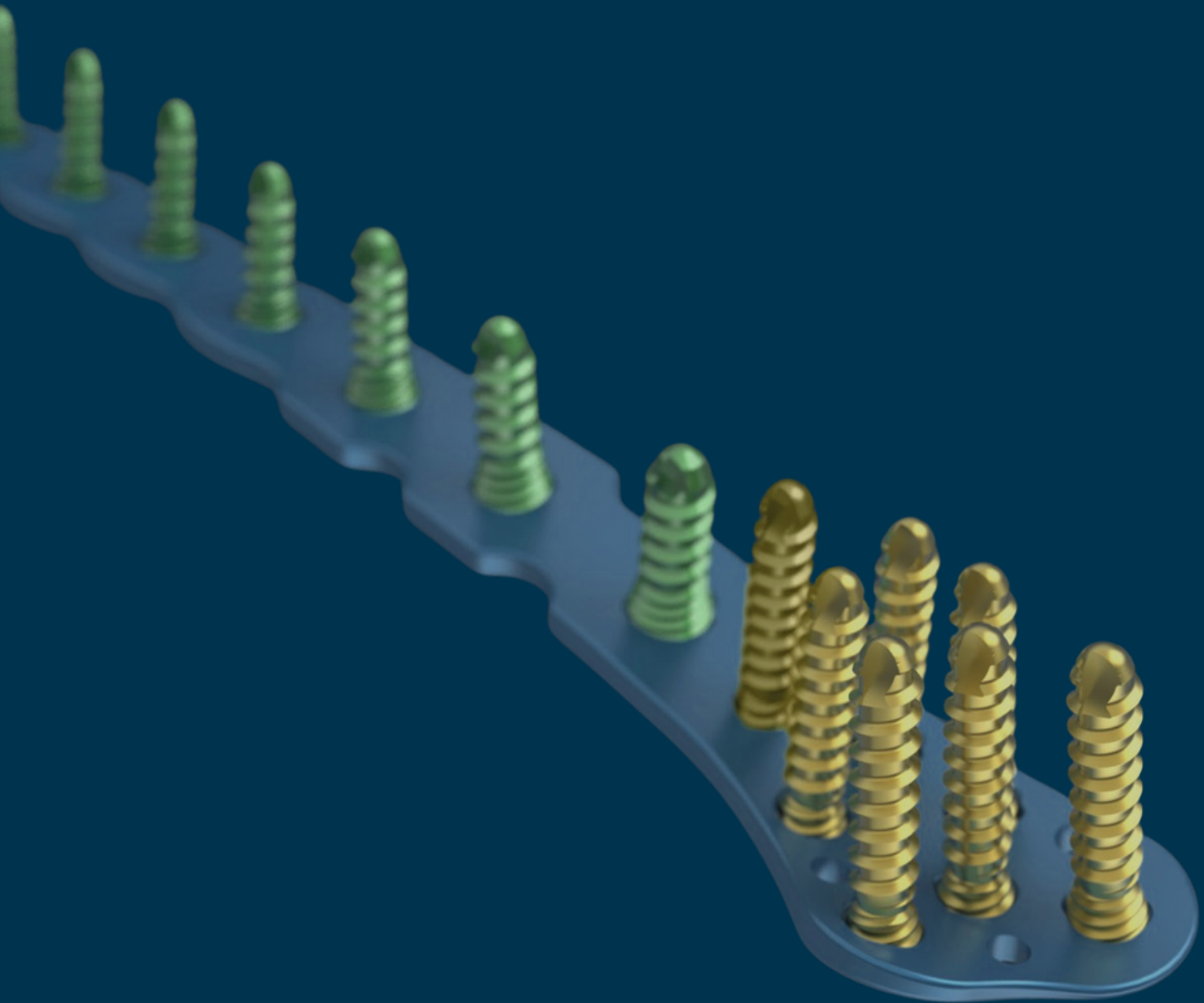
Insert most distal screw (①) first, then one of proximal screws (②) to prevent plate rotation. Then insert rest of screws as needed.

7. Removing Plate and Screws

If the plate and screws need to be removed, make an incision over the fibula.

Use the appropriate screwdriver to remove each screw.

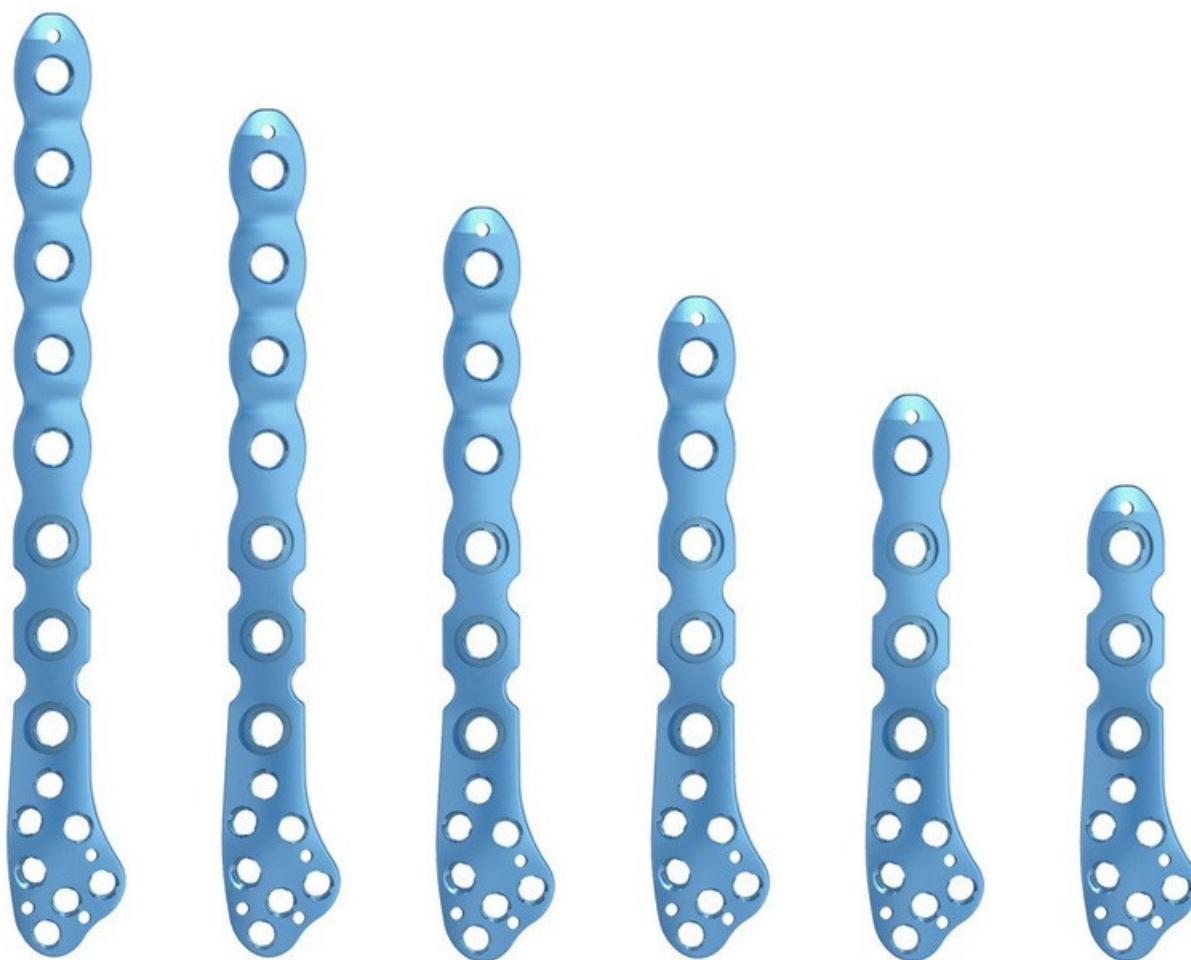




I Ordering Information

Anterolateral Fibula Plates

Right Type

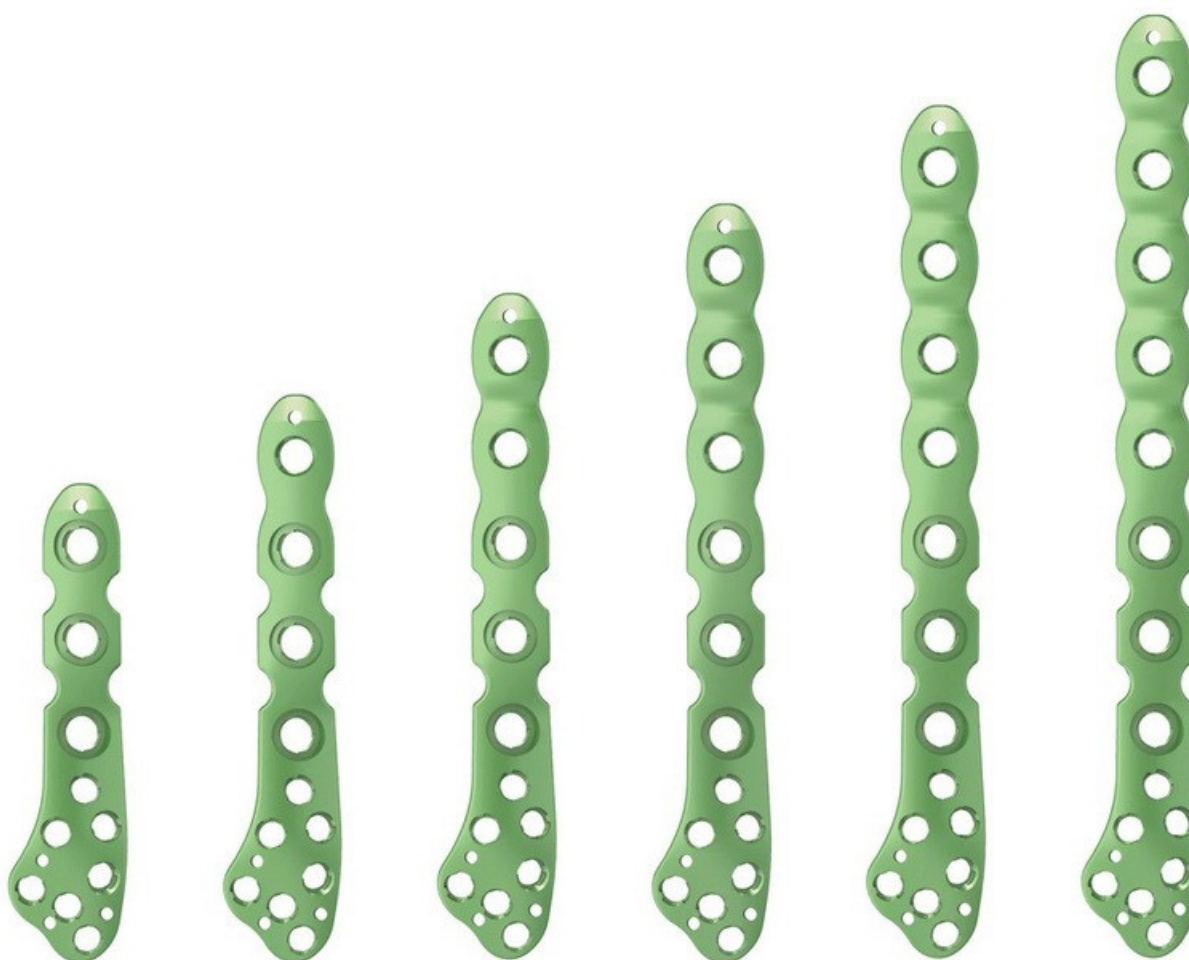


SO -35V-DLF3-008-R SO -35V-DLF3-007-R SO -35V-DLF3-006-R SO -35V-DLF3-005-R SO -35V-DLF3-004-R SO -35V-DLF3-003-R

* Illustrated scale 1:1

Code	Length	Thickness	Holes	Color	Set Quantity
SO -35V-DLF3-003-R	61.5 mm	2.0 mm	3	Light Blue	2
SO -35V-DLF3-004-R	73.5 mm	2.0 mm	4	Light Blue	2
SO -35V-DLF3-005-R	85.5 mm	2.0 mm	5	Light Blue	2
SO -35V-DLF3-006-R	97.5 mm	2.0 mm	6	Light Blue	1
SO -35V-DLF3-007-R	109.5 mm	2.0 mm	7	Light Blue	1
SO -35V-DLF3-008-R	121.5 mm	2.0 mm	8	Light Blue	1

Left



SO -35V-DLF3-003-L SO -35V-DLF3-004-L SO -35V-DLF3-005-L SO -35V-DLF3-006-L SO -35V-DLF3-007-L SO -35V-DLF3-008-L

* Illustrated scale 1:1

Code	Length	Thickness	Holes	Color	Set Quantity
SO -35V-DLF3-003-L	61.5 mm	2.0 mm	3	Light Green	2
SO -35V-DLF3-004-L	73.5 mm	2.0 mm	4	Light Green	2
SO -35V-DLF3-005-L	85.5 mm	2.0 mm	5	Light Green	2
SO -35V-DLF3-006-L	97.5 mm	2.0 mm	6	Light Green	1
SO -35V-DLF3-007-L	109.5 mm	2.0 mm	7	Light Green	1
SO -35V-DLF3-008-L	121.5 mm	2.0 mm	8	Light Green	1

Anterolateral Fibula Screws

Ø 2.8 mm Locking Cortical Screws



Code	Length	Color	Set Quantity
SO-28L-SO-S10-TA	10 mm	Gold	5
SO-28L-SO-S12-TA	12 mm	Gold	5
SO-28L-SO-S14-TA	14 mm	Gold	10
SO-28L-SO-S16-TA	16 mm	Gold	5
SO-28L-SO-S18-TA	18 mm	Gold	5

Ø 3.5 mm Locking Cortical Screws



Code	Length	Color	Set Quantity
SO-35L-SO-L10-TA	10 mm	Green	5
SO-35L-SO-L12-TA	12 mm	Green	5
SO-35L-SO-L14-TA	14 mm	Green	5
SO-35L-SO-L16-TA	16 mm	Green	5
SO-35L-SO-L18-TA	18 mm	Green	5
SO-35L-SO-L20-TA	20 mm	Green	5
SO-35L-SO-L22-TA	22 mm	Green	5
SO-35L-SO-L24-TA	24 mm	Green	5
SO-35L-SO-L26-TA	22 mm	Green	5

Ø 3.5 mm Non-Locking Cortical Screws



Code	Length	Color	Set Quantity
SO -35-SO -L10-T	10 mm	Silver	2
SO -35-SO -L12-T	12 mm	Silver	2
SO -35-SO -L14-T	14 mm	Silver	2
SO -35-SO -L16-T	16 mm	Silver	2
SO -35-SO -L18-T	18 mm	Silver	2
SO -35-SO -L20-T	20 mm	Silver	2
SO -35-SO -L22-T	22 mm	Silver	2
SO -35-SO -L24-T	24 mm	Silver	2
SO -35-SO -L50-T	50 mm	Silver	2
SO -35-SO -L55-T	55 mm	Silver	2
SO -35-SO -L60-T	60 mm	Silver	2
SO -35-SO -L65-T	65 mm	Silver	2
SO -35-SO -L70-T	70 mm	Silver	2

Instruments

Drill Bit



SO-112-35-703



SO-112-35-704



SO-112-35-701-L

Code	Description	Set Quantity
SO -112-28-703	Drill Bit for Ø2.8 AO	2
SO -112-35-704	Drill Bit for Ø3.5	2
SO -112-35-701-L	AO Drill Bit for Ø3.5 AO Lag	2

Drill Sleeve



SO-111-128



SO-111-173



SO-111-286



SO-111-316



SO-111-157

Code	Description	Set Quantity
SO -111-128	Drill Sleeve for Ø2.4 Fixed	2
SO -111-286	Drill Sleeve for Ø2.4 Variable	1
SO -111-173	Drill Sleeve for Ø2.7 Fixed	2
SO -111-316	Drill Sleeve for Ø2.7 Variable	1
SO -111-157	Drill Sleeve for Handle	2

Forceps



Code	Description	Set Quantity
SO -114-009	Forceps Common Pincette	1

Instruments

Drill Guide



Code	Description	Set Quantity
SO -111-285	Drill Guide for Ø2.4 Fixed	1
SO -111-100	Drill Guide for Ø2.7 Comp Ø3.6 Fixed	1
SO -111-287	Drill Guide for Ø2.7 Fixed	1

Driver



Code	Description	Set Quantity
SO-113-HF-623	Driver for T8 Ball 100mm	2
SO-113-HF-616	Driver for T10 Ball 100mm	2

Handle



Code	Description	Set Quantity
SO-111-206	Handle for Driver Ø5.0 Ball	2

Bender



Code	Description	Set Quantity
SO -111-088	Bender Flat 3.0T Plate	2

Dispenser



Code	Description	Set Quantity
SO -111-096	Dispenser for Guide Pin	1

Guide Pin



Code	Description	Set Quantity
SO -111-068-3	Guide Pin Ø1.6	5

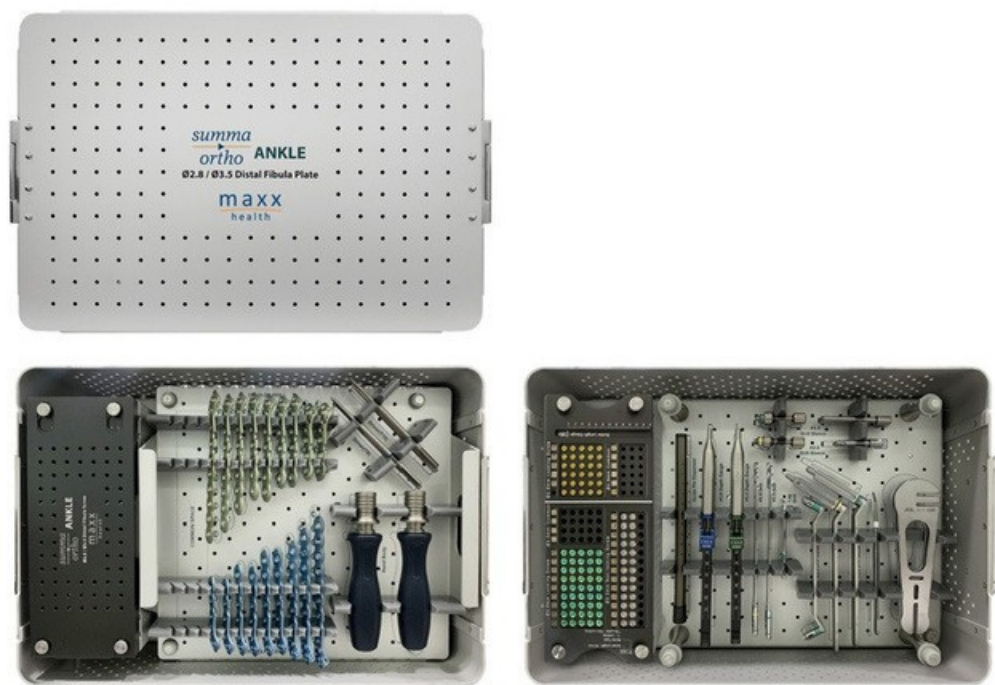
Depth Gauge



Code	Description	Set Quantity
SO -111-267	Depth Gauge for Ø2.5 0070	1
SO -111-266	Depth Gauge for Ø3.5 1070	1

Anterolateral Fibula Plate

Kit & Module



SO-112-175



SO-112-175-04

Code	Description	Set Quantity
SO -112-175	Anterolateral Fibula Plate Full Kit	1
SO -112-175-04	Screw Module	1

Set Configuration

Anterolateral Fibula Plates			
No	Code	Description	Set Quantity
1	SO-35V-DLF3-003-R	Anterolateral Fibula Plate, Right, 3H	2
2	SO-35V-DLF3-004-R	Anterolateral Fibula Plate, Right, 4H	2
3	SO-35V-DLF3-005-R	Anterolateral Fibula Plate, Right, 5H	2
4	SO-35V-DLF3-006-R	Anterolateral Fibula Plate, Right, 6H	2
5	SO-35V-DLF3-007-R	Anterolateral Fibula Plate, Right, 7H	2
6	SO-35V-DLF3-008-R	Anterolateral Fibula Plate, Right, 8H	2
7	SO-35V-DLF3-003-L	Anterolateral Fibula Plate, Left, 3H	2
8	SO-35V-DLF3-004-L	Anterolateral Fibula Plate, Left, 4H	2
9	SO-35V-DLF3-005-L	Anterolateral Fibula Plate, Left, 5H	2
10	SO-35V-DLF3-006-L	Anterolateral Fibula Plate, Left, 6H	2
11	SO-35V-DLF3-007-L	Anterolateral Fibula Plate, Left, 7H	2
12	SO-35V-DLF3-008-L	Anterolateral Fibula Plate, Left, 8H	2

Instruments			
No	Code	Description	Set Quantity
1	SO-112-28-703	Drill Bit for Ø2.8 AO	2
2	SO-112-35-704	Drill Bit for Ø3.5 AO	2
3	SO-112-35-701-L	Drill Bit for Ø3.5 AO Lag	2
4	SO-111-128	Drill Sleeve for Ø2.4 Fixed	2
5	SO-111-286	Drill Sleeve for Ø2.4 Variable	1
6	SO-111-173	Drill Sleeve for Ø2.7 Fixed	2
7	SO-111-316	Drill Sleeve for Ø2.7 Variable	1
8	SO-111-157	Drill Sleeve for Handle	2
9	SO-111-285	Drill Guide for Ø2.4 Fixed	1
10	SO-111-100	Drill Guide for Ø2.7 Comp Ø3.6 Fixed	1
11	SO-111-287	Drill Guide for Ø2.7 Fixed	1
12	SO-113-HF-623	Driver for T8 Ball 100mm	2
13	SO-113-HF-616	Driver for T10 Ball 100mm	2
14	SO-111-206	Handle for Driver Ø5.0	2
15	SO-111-088	Ball Bender Flat 3.0T Plate	2
16	SO-111-068-3	Guide Pin Ø1.6	5
17	SO-111-096	Dispenser for Guide pin	1
18	SO-111-266	Depth Gauge for Ø3.5 1070	1
19	SO-111-267	Depth Gauge for Ø2.5 0070	1
20	SO-114-009	Forceps Common Pincette	1
21	SO-112-175	Anterolateral Fibula Plate	1
22	SO-112-175-04	Full Kit Screw Module	1

Screws			
No	Code	Description	Set Quantity
1	SO-28L-SO-S10-TA	Ø2.8 Locking Cortical T8, 10mm	5
2	SO-28L-SO-S12-TA	Ø2.8 Locking Cortical T8, 12mm	5
3	SO-28L-SO-S14-TA	Ø2.8 Locking Cortical T8, 14mm	10
4	SO-28L-SO-S16-TA	Ø2.8 Locking Cortical T8, 16mm	5
5	SO-28L-SO-S18-TA	Ø2.8 Locking Cortical T8, 18mm	5
6	SO-35L-SO-L10-TA	Ø3.5 Locking Cortical T10, 10mm	5
7	SO-35L-SO-L12-TA	Ø3.5 Locking Cortical T10, 12mm	5
8	SO-35L-SO-L14-TA	Ø3.5 Locking Cortical T10, 14mm	5
9	SO-35L-SO-L16-TA	Ø3.5 Locking Cortical T10, 16mm	5
10	SO-35L-SO-L18-TA	Ø3.5 Locking Cortical T10, 18mm	5
11	SO-35L-SO-L20-TA	Ø3.5 Locking Cortical T10, 20mm	5
12	SO-35L-SO-L22-TA	Ø3.5 Locking Cortical T10, 22mm	5
13	SO-35L-SO-L24-TA	Ø3.5 Locking Cortical T10, 24mm	5
14	SO-35L-SO-L26-TA	Ø3.5 Locking Cortical T10, 26mm	5
15	SO-35-SO-L10-T	Ø3.5 Non-Locking Cortical T10, 10mm	2
16	SO-35-SO-L12-T	Ø3.5 Non-Locking Cortical T10, 12mm	2
17	SO-35-SO-L14-T	Ø3.5 Non-Locking Cortical T10, 14mm	2
18	SO-35-SO-L16-T	Ø3.5 Non-Locking Cortical T10, 16mm	2
19	SO-35-SO-L18-T	Ø3.5 Non-Locking Cortical T10, 18mm	2
20	SO-35-SO-L20-T	Ø3.5 Non-Locking Cortical T10, 20mm	2
21	SO-35-SO-L22-T	Ø3.5 Non-Locking Cortical T10, 22mm	2
22	SO-35-SO-L24-T	Ø3.5 Non-Locking Cortical T10, 24mm	2
23	SO-35-SO-L50-T	Ø3.5 Non-Locking Cortical T10, 50mm	2
24	SO-35-SO-L55-T	Ø3.5 Non-Locking Cortical T10, 55mm	2
25	SO-35-SO-L60-T	Ø3.5 Non-Locking Cortical T10, 60mm	2
26	SO-35-SO-L65-T	Ø3.5 Non-Locking Cortical T10, 65mm	2
27	SO-35-SO-L70-T	Ø3.5 Non-Locking Cortical T10, 70mm	2

Manufactured for Summa Orthopaedics by Jeil Medical. Distributed by Maxx Health Inc.



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